

Appl. No. 10/024,521
Amdt. dated October 31, 2003
Reply to Office Action of September 3, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A blown film comprising a multi-layer film of 3 or more layers comprising surface layers made of linear low-density polyethylene 1 satisfying the following requirements (A) to (C) and middle layer(s), wherein at least one of the middle layers is a layer comprising a resin composition comprising low-density polyethylene and linear low-density polyethylene 2 having a crystallization temperature higher by at least 2°C than the crystallization temperature of the linear low-density polyethylene 1, wherein

(A): a composition distribution variation coefficient (C_x) represented by the following equation (1) is not more than 0.5,

$$C_x = \sigma / SCBave \quad (1)$$

wherein σ is a standard deviation of composition distribution, and $SCBave$ is an average branching degree,

(B): a content (a) of cold xylene-soluble portion in terms of % by weight based on the weight of the linear low-density polyethylene 1 and the density (d) satisfy the following inequality (2),

$$a < 4.8 \times 10^{-5} \times (950-d)^3 + 10^{-6} \times (950-d)^4 + 1 \quad (2)$$

(C): a crystallization temperature (T_c) and a density (d) satisfy the following inequality (3),

$$T_c > 0.763 \times d - 599.2 \quad (3),$$

wherein density (d) is in kg/m² kg/m³.

Claim 2 (original): The blown film according to claim 1, wherein the resin composition comprises 50 to 5% by weight of low-density polyethylene and 50 to 95% by weight of linear low-density polyethylene 2.

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Claim 3 (currently amended): A blown film having a haze value of 7% 8% or less, a tear strength of at least 110 kN/m in the MD direction, and a 1% secant modulus (1% SM) of at least 190 MPa.

Claim 4 (currently amended): The blown film according to claim 3, wherein surface average roughness Ra of the blown film is 30 mm nm or less.